

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : SHIMADZU CORP

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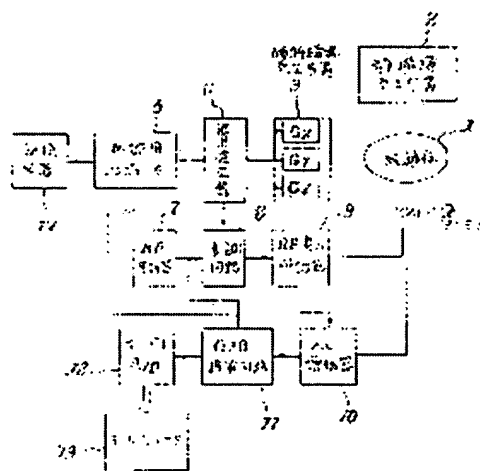
(72)Inventor : FUJITA AKINORI

## (54) MRI DEVICE

### (57)Abstract:

**PURPOSE:** To reduce the number of the gain automatic regulation motion times to a minimum and to shorten a whole inspecting time, by a method wherein an optimum input gain is automatically set at each scan, and if scan on the same condition is effected before, a current gain is used as it is.

**CONSTITUTION:** The gain of an input amplifier 10 is automatically set according to discrimination of whether scan is effected by a spin echo sequence or a field echo sequence each time scan is started and a set slice thickness. A memory device 14 is functioned as a table to hold the gain of the input amplifier 10 responding to discrimination between the spin echo sequence and the field echo sequence and the slice thickness at each sample. By referring to the table, a computer 5 decides whether a gain responding to discrimination of the set sequence and the slice thickness is already stored regarding a sample 1, and if it is stored, based on the gain, the gain of the input amplifier 10 is set.



## LEGAL STATUS

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